CLAIMS:

- An ultrasonic imaging method comprising the steps of: storing a reference image and a scan condition therefor; reading said reference image and said scan condition; setting said scan condition and acquiring a real-time image; and displaying said reference image and said real-time image side by side.
- 2. The ultrasonic imaging method of claim 1, further comprising the steps of:

calculating a correlation coefficient between said reference image and said real-time image throughout or partially; and

displaying the calculated correlation coefficient.

3. The ultrasonic imaging method of claim 2, further comprising a step of:

displaying in a hold manner the maximum value of the correlation coefficient from the beginning of acquisition of the real-time image up to the present.

4. The ultrasonic imaging method of claim 2, further comprising a step of:

calculating a correlation coefficient for a region outside of a region of interest defined in said reference image or in said real-time image.

5. The ultrasonic imaging method of claim 2, further comprising a step of:

calculating a correlation coefficient for a correlation comparison region defined in said reference image or in said real-time image.

6. The ultrasonic imaging method of claim 1, further comprising a step of:

displaying said reference image and said real-time image superimposed in response to a command by an operator.

7. The ultrasonic imaging method of claim 1, further comprising the steps of:

storing a measurement result for a target region in said reference image; and

reading said measurement result and displaying it when displaying said reference image.

8. The ultrasonic imaging method of claim 1, further comprising a step of:

storing said reference image and said scan condition in a server on a network.

9. An ultrasonic diagnostic apparatus comprising: an ultrasonic probe;

a transmitting/receiving device for driving said ultrasonic probe to transmit ultrasonic pulses into a subject and receive ultrasonic echoes from inside the subject and outputting received data;

an ultrasonic image producing device for producing an ultrasonic image from the resulting received data;

a reference image storage device for storing a reference image;

a scan condition storage device for storing a scan condition for the reference image;

an automatic scan condition setting device for reading said scan

condition and setting it; and

an ultrasonic image display device for reading said reference image and displaying said reference image and a real-time image side by side.

10. The ultrasonic diagnostic apparatus of claim 9, further comprising:

a correlation coefficient calculating device for calculating a correlation coefficient between said reference image and said real-time image throughout or partially; and

a correlation coefficient display device for displaying the calculated correlation coefficient.

11. An ultrasonic diagnostic apparatus comprising:

an ultrasonic probe;

a transmitting/receiving device for driving said ultrasonic probe to transmit ultrasonic pulses into a subject and receive ultrasonic echoes from inside the subject and outputting received data;

an ultrasonic image producing device for producing an ultrasonic image from the resulting received data;

a reference image storage device for storing a reference image;

a scan condition storage device for storing a scan condition for the reference image;

an automatic scan condition setting device for reading said scan condition and setting it;

a scan plane angular scanning device for acquiring a plurality of realtime images at different scan plane angles;

a correlation coefficient calculating device for calculating a correlation coefficient between said reference image and each of said real-time images throughout or partially; and

an ultrasonic image display device for displaying said reference image

and said real-time image having the highest correlation coefficient side by side.

- 12. The ultrasonic diagnostic apparatus of claim 11, further comprising:
 a correlation coefficient display device for displaying said highest correlation coefficient.
- 13. The ultrasonic diagnostic apparatus of claim 11, further comprising:
 a correlation coefficient maximum value display device for displaying
 in a hold manner the maximum value of the correlation coefficient from the
 beginning of acquisition of the real-time image up to the present.
- 14. The ultrasonic diagnostic apparatus of claim 11, wherein said correlation coefficient calculating device calculates a correlation coefficient for a region outside of a region of interest defined in said reference image or in said real-time image.
- 15. The ultrasonic diagnostic apparatus of claim 11, wherein said correlation coefficient calculating device calculates a correlation coefficient for a correlation comparison region defined in said reference image or in said real-time image.
- 16. The ultrasonic diagnostic apparatus of claim 9, further comprising:
 a combined-display device for displaying said reference image and said real-time image superimposed in response to a command by an operator.
- 17. The ultrasonic diagnostic apparatus of claim 9, further comprising:
 a measurement result storage device for storing a measurement result
 for a target region in said reference image; and
 - a measurement result display device for reading said measurement

result and displaying it when displaying said reference image.

- 18. The ultrasonic diagnostic apparatus of claim 9, wherein said reference image storage device and said scan condition storage device reside in said ultrasonic diagnostic apparatus itself, and in addition, in a server on a network.
- 19. The ultrasonic diagnostic apparatus of claim 9, wherein said reference image storage device and said scan condition storage device reside not in said ultrasonic diagnostic apparatus itself but in a server on a network.